Ontario

Ministry of Natural Resources

Hon. Alan W. Pope
Minister

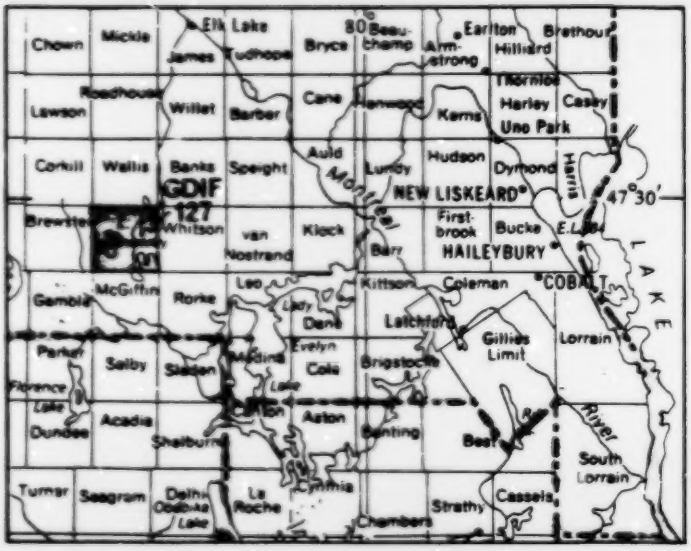
John R. Sloan
Deputy Minister

ONTARIO GEOLOGICAL SURVEY
GEOLOGICAL DATA INVENTORY FOLIO
GDIF 127

TRETHEWEY TOWNSHIP

DISTRICT OF TIMISKAMING

Compiled by the Staff of
the Resident Geologist's Office
Cobalt



LOCATION MAP

Scale 1:1 013 760 or 1 inch to 16 miles

TRETHEWEY

85-1180/

NTS Number 41P/8 and part of 41P/7

Mining Claim Map Number M-250

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1984: Trethewey Township, District of Timiskaming, Geological Survey Geological Data Inventory Folio 127 ; Compiled by the Staff of the Resident Geologist's Office, Cobalt, 16 pages and 1 map.

Original Compilation by: Patricia Anderson, August 22, 1983

Date	Page Revised	Revised by

Date	Page Revised	Revised by

TRETHEWEY TOWNSHIP

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ACCOMPANYING MAPS

Property Location Map - 1 map

Exploration Data Map

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	No	D.P.A.
2	Assessment Files Research Office, Toronto	No	D.P.A.
3	ODM General Index; 7 volumes	No	D.P.A.
4	Catalogue of Airborne Geophysical Surveys (ODM)	No	D.P.A.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	No	D.P.A.
6	ODM Industrial Mineral Reports	No	D.P.A.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	D.P.A.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	No	D.P.A.
9	Newspaper Clippings File	No	D.P.A.
10	GSC Index to Publications	Yes	D.P.A.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	D.P.A.
12	OGS Index Maps	Yes	D.P.A.
13	Source Mineral Deposit Records (O.G.S.)	No	D.P.A.
14	Author - Subject Articles File	No	D.P.A.
15	Miscellaneous Papers: ODM & OGS	No	D.P.A.
16	ODM Geological Circulars: OGS Study Series	No	D.P.A.
17	ODM Preliminary Reports: ODM Bulletins	No	D.P.A.
18	ODM – OGS Open File Reports	Yes	D.P.A.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	D.P.A.
20	OGS Aggregate Resources Inventory Papers	N.A.	D.P.A.
21	OGS Mineral Potential Maps	Yes	D.P.A.
22	Theses on file, Cobalt	No	D.P.A.
23	Aerial photographs on file, Toronto	Yes	D.P.A.
24	Catalogue of Cobalt area rock and mineral samples, ODMNA OFR 5056	No	D.P.A.

METALS AND MINERALS REFERENCES LIST

- Δ anh . . . . . Anhydrite
- Δ ank . . . . . Ankerite
- Δ anna . . . . . Annabergite
- Δ ap . . . . . Apatite
- Δ arg . . . . . Argentite
- Δ As . . . . . Arsenic
- Δ asp . . . . . Arsenopyrite
- Δ asb . . . . . Asbestos
- Δ ba . . . . . Barite
- Δ be . . . . . Beryl
- Δ Bi . . . . . Bismuth
- Δ bn . . . . . Bornite
- Δ bran . . . . . Brannerite
- Δ bruc . . . . . Brucite
- Δ Cd . . . . . Cadmium
- Δ calc . . . . . Calcite
- Δ carb . . . . . Carbonate
- Δ cel . . . . . Celestite
- Δ cc . . . . . Chalcocite
- Δ cp . . . . . Chalcopyrite
- Δ ch . . . . . Chert
- Δ clay . . . . . Clay
- Δ Co . . . . . Cobalt
- Δ cob . . . . . Cobaltite
- Δ cb . . . . . Columbite
- Δ Cu . . . . . Copper
- Δ cor . . . . . Corundum
- Δ dol . . . . . Dolomite
- Δ ep . . . . . Epidote
- Δ ery . . . . . Erythrite
- Δ fel . . . . . Feldspar
- Δ fl . . . . . Fluorite (flurospar)
- Δ fu . . . . . Fuchsite
- Δ gn . . . . . Galena
- Δ gt . . . . . Garnet
- Δ goe . . . . . Goethite
- Δ Au . . . . . Gold
- Δ gf . . . . . Graphite
- Δ gl . . . . . Gravel
- Δ gyp . . . . . Gypsum
- Δ hem . . . . . Hematite
- Δ il . . . . . Ilmenite
- Δ Fe . . . . . Iron
- Δ IF . . . . . Iron Formation
- Δ jas . . . . . Jasper
- Δ kaol . . . . . Kaolinite (kaolin)
- Δ ky . . . . . Kyanite
- Δ Pb . . . . . Lead
- Δ lim . . . . . Limonite
- Δ Li . . . . . Lithium
- Δ mgst . . . . . Magnesite
- Δ mag . . . . . Magnetite
- Δ mc . . . . . Malachite
- Δ Mn . . . . . Manganese
- Δ mb . . . . . Marble
- Δ mar . . . . . Marcasite
- Δ ma . . . . . Marl
- Δ mi . . . . . Mica
- Δ ml . . . . . Millerite
- Δ mo . . . . . Molybdenite
- Δ Mo . . . . . Molybdenum
- Δ mon . . . . . Monazite
- Δ ne . . . . . Nephelite (nepheline)
- Δ nc . . . . . Niccolite
- Δ Ni . . . . . Nickel
- Δ Nb . . . . . Niobium
- Δ Pd . . . . . Palladium
- Δ peat . . . . . Peat
- Δ pent . . . . . Pentlandite
- Δ Pt . . . . . Platinum
- Δ py . . . . . Pyrite
- Δ pyl . . . . . Pyrochlore
- Δ pyrl . . . . . Pyrolusite
- Δ po . . . . . Pyrrhotite
- Δ q . . . . . Quartz
- Δ qcv . . . . . Quartz carbonate vein
- Δ ra . . . . . Radioactive minerals
- Δ RE . . . . . Rare Earths
- Δ sd . . . . . Sand
- Δ sgl . . . . . Sand and gravel
- Δ ss . . . . . Sandstone
- Δ scap . . . . . Scapolite
- Δ shee . . . . . Scheelite
- Δ serp . . . . . Serpentine
- Δ sh . . . . . Shale
- Δ sid . . . . . Siderite
- Δ si . . . . . Silica
- Δ Ag . . . . . Silver
- Δ sl . . . . . Slate
- Δ sm . . . . . Smaltite
- Δ sod . . . . . Sodalite
- Δ spec . . . . . Specularite
- Δ sp . . . . . Sphalerite
- Δ spd . . . . . Spodumene
- Δ staur . . . . . Staurolite
- Δ stib . . . . . Stibnite
- Δ st . . . . . Stone
- Δ talc . . . . . Talc
- Δ Te . . . . . Tellurium
- Δ td . . . . . Tetrahedrite
- Δ th . . . . . Thorite
- Δ Th . . . . . Thorium
- Δ thuc . . . . . Thucholite
- Δ ti . . . . . Titanite
- Δ Ti . . . . . Titanium
- Δ tour . . . . . Tourmaline
- Δ trap . . . . . Trap rock
- Δ W . . . . . Tungsten
- Δ uran . . . . . Uraninite
- Δ U . . . . . Uranium
- Δ verm . . . . . Vermiculite
- Δ Y . . . . . Yttrium
- Δ Zn . . . . . Zinc
- Δ zr . . . . . Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES			Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
Map Ref. Letter	Name(s)	Mineralization			
	No data available as of August 22, 1983				

GDR FORM 4

TYPE OF WORK		Numbers below represent the year in which the work was done, e.g., 68 for 1968.																				
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY				
No data available as of August 22, 1983																					

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
	No data available as of August 22, 1983								

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
	No data available as of August 22, 1983				

TRETHEWEY TOWNSHIP

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		
	No data available as of August 22, 1983			

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result
	No data available as of		August 22, 1983	

LANDSAT COLOUR PHOTO - NTS 31/M

LS	TR	FR	Date of Imagery	Band	Cycle/Day
2	20	27	13/10/81	C_1	136/10

on file in Cobalt office

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office Cobalt

No data available as of August 22, 1983

ODM GENERAL INDEX SEARCH

Words searched: Trethewey Twp.

Index Volume	Listing	Report Volume	Part	Page
	No data available as of August 22, 1983			

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page

GDIF FORM NO. 8

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Card, K.D. et al	1971	Sudbury-Cobalt Sheet; Algoma, Manitoulin, Nipissing, Parry Sound, Sudbury & Timiskaming Districts, Ontario	ODMNA Map 2188	1:253 440
Card, K.D., Lumbers, S.B.	1977	Sudbury-Cobalt Sheet, NTS 31L/W, 31M/SW, 41I, 41P/S, Sudbury & AL 5 Districts, Ontario	OGS Map 2361	1:253 440
		GEOPHYSICAL MAPS		
	1956	Smoothwater Lake, Ontario, aeromagnetic	GSC Map 281G	1:63 360
	1965	Smoothwater Lake, Ontario NTS 41P/7, aeromagnetic	GSC Map 1514G	1:63 360
	1965	Lady Evelyn Lake, Ontario, NTS 41P/8	GSC Map 1504G	1:63 360
	1978	Airborne gamma-ray spectrometry maps and profiles	OGS Map set 80372-80410	1:250 000
Gupta, V.K., Wadge, D.R.	1980	Bouger Gravity and Generalized Geological Map, Temagami-Englehart Area, Districts of Timiskaming, Nipissing & Sudbury	OGS Map 2296	1:100 000
Gupta, V.K., Wadge, D.R.	1980	Bouger Gravity and Generalized Geological Map, Gogama-Gowganda Area, Districts of Sudbury & Timiskaming	OGS Map P. 2481	1:100 000
Gupta, V.K., Grant, F.S., Boud, A.	1981	A Gravity Study in North-Central Ontario, Districts of Sudbury, Nipissing and Timiskaming; in J. Wood et al, editors, Summary of Field Work, 1981 by the OGS	OGS MP 100	No. 26 pp. 160-164

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOPHYSICAL MAPS		
Gupta, V.K.	1982	Gravity and Aeromagnetic Studies in North-Central Ontario; A Progress Report; in J. Wood et al, editors, Summary of Field Work, 1982 by the OGS	OGS MP 106	No. 24 pp. 165-167
		Earth Physics Branch Gravity Map Series	EPB Maps No. 84, No. 134	1:500 000
		Aeromagnetic map	MNR 707uG	1:253 440
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
	1951	Maple Mountain, Ontario, topographic	NTS 41P/SE	1:126 720
	1976	Lady Evelyn Lake, Ontario, topographic	NTS 41P/8	1:50 000
Roed, M.A., Hallett, D.R.	1979	Maple Mountain, NTS 41P/SE	NOEGTS 89 OGS Map 5023	1:100 000
	1982	Ontario Basic Map Sheet, topographic	MNR Maps 20 17 5300 52500 20 17 5400 52500	1:20 000
		Smoothwater Lake, Ontario, topographic	NTS 41P/7	1:50 000
		Trethewey Township claim map	MNR Plan No. M-250	1" = 40 ch.

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		MINERAL POTENTIAL MAPS		
Springer, J.	1977	Ontario Mineral Potential Map, Gogama Sheet and part of Ville Marie Sheet, Districts of Sudbury & Timiskaming	OGS Map P. 1514	1:250 000
Yundt, S.E., et al.	1983	Industrial Minerals of Ontario	OGS Map P. 2591	1:1 500 000
		GEOCHEMICAL		
		No data available as of August 22, 1983		
		GEOLOGICAL REPORTS AND MAPS		
Collins, W.H.	1909	Preliminary Report on the Gowganda Mining Division, District of Nipissing, Ontario	*GSC Separate Report 1075 *Map 1076	
Collins, W.H.	1914	The Geology of the Gowganda Mining Division	*GSC Memoir 33 *GSC Map 64a	
Collins, W.H.	1917	Onaping Map Area; Onaping, Sudbury & Timiskaming Districts, Ontario	*GSC Memoir 95 *GSC Map 179a	1:253 440
Donovan, J.F.	1965	Maple Mountain Sheet, District of Sudbury, Timiskaming & Nipissing, Ontario	ODM Map P.301	1:126 720
Roscoe, S.M.	1969	Huronian Rocks and Uraniferous Conglomerates in the Canadian Shield	*GSC Paper 68-40	205 p.
McIlwaine, W.H., Meyn, H.D., Card, K.D.	1970	Operation Maple Mountain, Smoothwater Lake Area, Districts of Sudbury & Timiskaming, Ontario	OFR 5050 ODM Map P. 584	1:63 360

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGICAL REPORTS AND MAPS		
McIlwaine, W.H., Meyn, H.D., Card, K.D.	1970	Operation Maple Mountain, Lady Evelyn Lake Area, Districts of Nipissing, Sudbury & Timiskaming, Ontario	OFR 5050 ODM Map P. 585	1:63 360
Card, K.D., McIlwaine, W.H.	1973	Smoothwater Lake; Timiskaming District, Ontario	ODM GR 106 ODM Map 2256	1:63 360
Card, K.D., McIlwaine, W.H., Meyn, H.D.	1973	Makobe Lake	ODM GR 106 ODM Map 2257	1:63 360
Wood, J.	1979	Regional Geology of the Cobalt Embayment, Districts of Sudbury, Nipissing & Timiskaming; in V.G. Milne et al, editors, Summary of Field Work, 1979 by the OGS	OGS MP 90	No. 18 pp. 79-81
Wood, J.	1980	Regional Geology of the Cobalt Embayment, Districts of Sudbury, Nipissing & Timiskaming; in V.G. Milne et al, editors, Summary of Field Work, 1980 by the OGS	OGS MP 96	No. 14 pp. 61-63
Carter, M.W.	1981	Shining Tree Area, Districts of Sudbury & Timiskaming, Ontario	OGS OFR 5346	67 p.
Colvine, A.C.	1981	Reconnaissance of the Lorrain Formation, Northern Cobalt Embayment; in J. Wood et al, editors, Summary of Field Work, 1981 by the OGS	OGS MP 100	No. 29 pp. 187, 189
		JOURNAL ARTICLES, THESES, TECHNICAL REPORTS		
		No data available as of August 22, 1983		
		* out of print		

NOTES AND ADDENDA

On the maps, only areas for which work was submitted to the Ministry are shown and thus a company may hold, or have held in the past, more ground than is shown.

No present or past producers.

Township closed to staking in 1978 due to the Bear Island Indian Caution.

AIR PHOTOS - on file in Toronto

Only 1977 photos are available for viewing at the Public Service Centre, Rm. 1640, Whitney Block.

Photos can also be ordered from here for the years 1946, 1958 and 1970.

Year	Roll	Strip	Photo
1946	51	115	39-46
	53	114	92-99
	54	113	94-101
	55	112	58-65
1958R	19	4717	16-23
	18	4718	109-116
	18	4719	44-51
	121	4720	217-224
1970	30	4717	249-256
	19	4718	70-77
	19	4719	159-166
	19	4720	252-259
1977	3	4717	116-123
	3	4718	29-36
	40	4719	8-15
	2	4720	30-37

TRETHEWEY TOWNSHIP

MAPS NOT

FILMED

CARTES

OMISES